



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: May 4, 1983

TO: Field Operations Section & Records Unit/DWPC

FROM: John J. Forneris, Manager, Region 5, FOS/DWPC

SUBJECT: Sherwin-Williams, Inc.
(Montgomery Co. Hillsboro)Meeting Regarding
Waste Material Disposal Program

EPA Region 5 Records Ctr.



282614

Accompanied by: T. R. Kluge, Region 5, FOS/DWPC

Attendees: See attachment

As a follow up to our meeting of December 14, 1982, regarding a needed pollution abatement program for the Sherwin-Williams zinc processing plant at Hillsboro and a letter from Dr. A. K. Nanda, Vice President and Director of Manufacturing, dated 3/28/83, a meeting was held on the above date at the Hillsboro plant site to review what improvements had been made to date to abate their pollution problem and what was included in their continuing abatement program.

During the meeting we were advised that approximately 36 million pounds (26,500,000 lb. of muffle dross, 1,200,000 lb. of mixed furnace charge, and 8,200,000 lb. of oversize material) or 17,963 tons of material was removed from 10 acres on the site as of 4/30/83. It is planned to finish the major removal in two weeks of an additional 8 or 9 million pounds on a 2 to 3 acre site. The attached map shows the general areas of material removal as of 4/30/83. The material removed is trucked to Granite City where 3 million pounds per shipment is sent by barge to St. Joe Minerals, Manacoa, Penn. where it requires special electric furnaces to recover the remaining zinc from the feedstock (muffle dross). The areas cleared are covered with dirt available on the existing property.

The process at this plant involves making ZnO using soft and anthracite coal with the ore in Weatherall grate furnaces.

It is estimated that there is a total of 25 acres of zinc material on the premises. Ten to thirteen acres are high in zinc (muffle dross). Twelve acres is secondary feedstock which can be used at the Hillsboro plant or can be sold to others. It contains 20% zinc, 0.2% iron and some silicon carbon; it contains no lead or manganese. It is now being blended into the current operation. It is felt

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that the zinc in this material is tied to the carbon and silica and will not leach out since it's not soluble in water. A leach test to confirm this however has not been conducted.

Pictures of the total property area were taken during this visit and are on file in this office. When removal of the remaining 3 acres is complete, a sampling survey of the adjoining streams will be coordinated with Sherwin-Williams to see what degree of abatement has been achieved by the work accomplished to date.

Attachment

JJF/bp
6-16-83

cc: Region 5, Springfield
T. R. Kluge, Permits

~~1-17~~
1-17-
5-3-

shaded AREA cleared

~~AREA CLEARANCE~~
 Total Material Removed 35,927.370
 (17,963 tons)

[illegible]